

Federal Highway Administration Innovations and Initiatives

Community Solutions Training
January 13, 2017



U.S. Department of Transportation
Federal Highway Administration



- U.S. Department of Transportation
- Design, Construction, Maintenance, and Operations of the Federal Aid Highway System
- Financial and Technical Assistance to States and Local Governments
- Safest and Most Technologically Sound System



- FHWA Illinois Division, Chicago Satellite Office
- Metropolitan Planning Specialist
- Illinois Department of Transportation, Chicago Metropolitan Agency for Planning, Council of Mayors, Local Governments
- GO TO 2040, Transportation Improvement Program, Air Quality, Surface Transportation Program (STP), Congestion Mitigation and Air Quality Improvement Program (CMAQ), Transportation Alternatives Program (TAP)





Every Day Counts

ACCELERATING INNOVATION



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Every Day Counts (EDC)

- Better, Faster, Smarter
- Underutilized Innovations
- Enhanced Business Processes



EDC: How it Works

- Identification of Innovations
 - State and Local Transportation Agencies/Industry
 - Market Readiness, Impacts, Benefits, Ease of Adoption
- Regional Summits
- Specifications, Best Practices, Lessons Learned, Data
- Results in Rapid Technology Transfer and Accelerated Deployment



Every Day Counts Round 4

- Accelerating traffic incident management (TIM) data collection
- Advanced hydraulic modeling tools
- Automated traffic signal performance measures (ATSPMs)
- **Community connections**
- Data-driven safety analysis (DDSA)
- e-construction and partnering
- Integrating the National Environmental Policy Act (NEPA) and permitting
- Pavement preservation
- Road weather management and "weather-savvy" roads
- **Safe transportation for every pedestrian (STEP)**
- Ultra-high performance concrete for prefabricated bridge elements





Ladders of Opportunity

TRANSFORMING COMMUNITIES IN
THE 21ST CENTURY



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“The choices we make about future transportation projects—the people and places they connect, will play a role in determining how widely opportunity expands through America.”

– Secretary Anthony R. Foxx



The U.S. Department of Transportation (DOT) plays a critical role in connecting Americans and communities to economic opportunity.

Transportation infrastructure choices made at the Federal, State, and local levels can strengthen communities, create pathways to jobs, and improve the quality of life for all Americans.

revitalize

Transportation infrastructure can lift up neighborhoods and regions by attracting new opportunities, jobs, and housing.

connect

A multimodal transportation system provides Americans with safe, reliable, and affordable connections to employment, education, healthcare, and other essential services.

work

Infrastructure investment creates jobs and paves the way for business, particularly small and disadvantaged business enterprises.



**LADDERS OF
OPPORTUNITY**

— Revitalize — Connect — Work —

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LADDERS OF OPPORTUNITY

— Connect — Work — Revitalize —

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- Regrettable legacy of aligning and designing transportation projects that separated Americans
- A chance to do more that will expand economic opportunity and socioeconomic mobility throughout America
- Play a role in determining how widely opportunity expands throughout America
- Look to build a stronger and more connected nation, a healthier economy, and more vibrant communities



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Thank You

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